

## REMARKS

In accordance with the foregoing, various of the pending claims are amended in the foregoing to clarify features of the invention and/or to improve form, all as later discussed in detail.

No new matter is presented and, accordingly, approval and entry of the foregoing claim amendments are respectfully requested.

## CLAIMS 1, 22 AND 24

With respect to claims 1, 22, and 24 and in the foregoing amendments therein, and for clarification, when the drive voltage is applied, the drive circuit connects the first and second electrodes to power sources, different from the ground power source, after a front edge of the drive voltage pulse, and, when completing the drive voltage pulse, the drive circuit connects the first and second electrodes to power sources, different from the ground power source, after a back edge of the drive voltage pulse. When starting the drive voltage pulse, it is necessary to connect the first and second electrodes to power sources, different from the ground power source, after the front edge of the pulse, in order to avoid noise in the ground power source due to the discharge current, and it is also necessary to connect the first and second electrode to power sources, different from the ground power source, after the back edge of the pulse, in order to avoid the same noise. These front edge and back edge timing relationships are evident from the annotated waveforms of Exhibit B to the prior response, to which the Examiner is respectfully referred.

## CLAIMS 3, 5, 7 AND 26

By way of clarification of the amendments to claims 3, 5, 7 and 26, when a front edge of a drive voltage pulse is applied, the drive circuit changes the first and second electrodes from a first state to a second state. This is the effectively the same explanation as that given above with regard to claim 1.

Applicants respectfully submit, in relation to the Examiner's suggestions set forth in the Interview Summary, that the foregoing, amended claims clearly delineate the recited drive voltage pulses from the disclosures of Andoh and Sakurai.

## **CLAIM 27**

The Amendments to claim 27 are respectfully submitted to clarify that the ground power source is between voltage potentials of the first and second electrodes when applying the drive voltage pulse. Prior art Figs. 24A and 24B are individual pulse wave forms; in these examples, when applying the drive voltage pulses to the X and Y electrodes, one of them is connected to +Vs and -Vs and the other of them is connected to the ground power source while the address electrode is connected to the ground power source. Therefore, claim 27 clearly can not be read on the prior art Figs. 24A and 24B.

## **CONCLUSION**

Applicants are grateful to the Examiners for granting the interview of June 17, 2003 and for their helpfulness in explaining the continuing rejections of the pending claims herein.

Applicants have endeavored by the foregoing amendments to address matters discussed at the interview of June 17, 2003 and to render the pending claims as now amended, clearly patentably distinguishable over the references of record.

In accordance with the foregoing, it is respectfully submitted that the pending claims patentably distinguish over the reference of record and, there being no other objections or rejections, that the application is in condition for allowance, which action is earnestly solicited.

## **REQUEST FOR INTERVIEW**

Applicants respectfully request that, should the Examiners be disposed otherwise than to an allowance of the present application, or should there be any remaining questions or formalities requiring attention, that the Examiners contact the applicants' undersigned counsel of record for purposes of conducting a further interview to discuss any further changes to the pending claims which the Examiners might feel to be necessary to render same allowable over the art of record or to take any other steps necessary to place the application in condition for allowance.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: September 2, 2003

By: 

H. J. Staas

Registration No. 22,010

1201 New York Avenue, NW, Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501